



In-Line Laser Marker



Model: LS 2000



Model: LS 8400



In-Line Marker LS2000 comes with a conveyor for PCB / PCBA marking while Model LS 8400 comes as a standalone with board destacker and stacker with capability to mark not only PCB but also flex circuits. With programmable servo driven X-Y tables, it allows for precision multiple laser firing positions over a wide area of the PCB. Both systems incorporate the most advanced laser, optics and servo control software.

Machine Specifications		
Model	LS2000	LS 8400
Dimensions (mm)	Lg. 1000 x Depth 1600 x Ht. 1500	Lg 2200 x Depth 1600 x Ht 1500
Laser Type (US make)	CO2 air cooled (std. 10 watts)	CO2 air cooled (25 watts)
Laser Characteristics	0.2mm spot size; Vector speed 2000mm/sec; beam stability: +/- 5%	
Marking Field (mm)	100(std) Options: 50, 150, 200, 250	
Marking software	Alpha numerics, different fonts, logos, graphics, serialised numbers, bar coding and others...	
PCB Size (mm)	Lg 450 x W 320 x Thk 2 (max)	Lg 450 x W 350 x Min thickness 0.25mm
X-Y Table/Repeatability	Servo Type / +/- 0.025mm	
Board Transfer	Conveyor with auto width adjust	Standalone with vacuum pick up and transfer
Board Positioning	Edge Referencing	
Board Clamping	Mech. Stopper with Servo controlled	X-Y cylinder
Options	Camera, Fiducial board Referencing, Scanner Verifier	
Fume Extraction	Build in exhaust with filter (Std)	
Laser Pointer	Std	
Controller	Pentium based PC on Windows.	
Operating Software	PTS operating and management software	
Programming	via keypad or handheld console	
Facilities Requirement	220VAC 1 phase, 2000 watts.	220VAC 1 phase, 2000 watts, 6 bars air supply
Board Stacker/Destacker	No	Standard with machine

AVI PRECISION ENGINEERING PTE LTD email: avipre@pacific.net.sg url: www.avipre.com.sg Tel: (65) 67483866 Fax: (65) 67484810